

## Title (en)

METHOD AND CIRCUIT FOR DIGITAL MODULATION AND METHOD AND CIRCUIT FOR DIGITAL DEMODULATION

## Title (de)

VERFAHREN UND SCHALTUNG ZUR DIGITALEN MODULATION SOWIE DEMODULATIONSSCHALTUNG

## Title (fr)

PROCEDE ET CIRCUIT DE MODULATION NUMERIQUE ET PROCEDE ET CIRCUIT DE DEMODULATION NUMERIQUE

## Publication

**EP 0932258 A4 19991208 (EN)**

## Application

**EP 97943166 A 19971009**

## Priority

- JP 9703632 W 19971009
- JP 29117196 A 19961013
- JP 31430696 A 19961110

## Abstract (en)

[origin: EP0932258A1] A digital modulation methods is provided in which at a head of an input block (pre-translation), each of a plurality of different types of initial data of t bits is multiplexed to generate a plurality of different types of multiplexed blocks, t bits at the head and immediately following t bits of each of the multiplexed blocks are subjected to exclusive OR operation, the immediately following t bits are replaced by the result of operation, the replaced t bits and the immediately following t bits are subjected to an exclusive OR operation, and the immediately following t bits are replaced by the result of operation, and thereafter in the similar manner, convolution operation is executed, whereby a plurality of different types of translated blocks are produced by the convolution operation, and DC components of thus provided translated blocks are calculated respectively, absolute values of the respective DC components are compared with each other, and a translated block having the minimum value is selected and output externally. <IMAGE>

## IPC 1-7

**H03M 7/14**

## IPC 8 full level

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**H03M 5/145** (2013.01 - EP US); **H03M 7/14** (2013.01 - KR); **H03M 13/31** (2013.01 - EP US)

## Citation (search report)

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**EP 0932258 A1 19990728; EP 0932258 A4 19991208; EP 0932258 B1 20020327;** AU 4472097 A 19980511; CN 1157852 C 20040714; CN 1240065 A 19991229; DE 69711410 D1 20020502; DE 69711410 T2 20021114; DE 69732540 D1 20050324; DE 69732540 T2 20060330; EP 1087532 A1 20010328; EP 1087532 B1 20050216; JP 3091497 B2 20000925; KR 100354632 B1 20021004; KR 20000049103 A 20000725; US 6654425 B1 20031125; WO 9817005 A1 19980423

## DOCDB simple family (application)

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